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GRANTS PASS OREGON

Harrold's Gardener

TUBEROUS BEGONIAS — — SPRING 1948

HARROLD'S PANSY GARDENS & GREENHOUSES

P. O. BOX 29 - R — GRANTS PASS, OREGON.

HARROLD'S American Grown
THE WORLDS FINEST STRAINS

Tuberous Begonias

EXQUISITELY BEAUTIFUL
GIANTS IN SIZE



GROWS WELL IN SHADE
OR SEMI-SHADE



UNSURPASSED FOR POT,
BOX OR BED CULTURE



NOT DIFFICULT TO GROW
WITH PLEASING RESULTS



PICTURE: Camellia Flowering
Double, Natural Size.



HARROLD'S Pedigreed Strain American Bred and Grown

Tuberous

We offer here what we believe to be the finest selection of this grand flowering plant available from a single source today. This stock is the best of the standard and novelty varieties from all the outstanding American specialists and some of these varieties are exclusive with us as we have control of all existing stock. We are constantly in contact with the new developments and have included the best.

The importance of buying American in Tuberous Begonias can not be too greatly stressed. In the first place, American breeders have developed the widest range of varieties and colors. This affords much more latitude in selection. Secondly, strain quality has been developed to the highest standards because



SUPER *Novelties*

PRICE FOR ANY OF THESE

Each \$1.00; 3 for \$2.50; 6 for \$4.50;
12 for \$8.00.

SELECTION MAY BE ASSORTED WITHIN GROUP

AMERICAN WONDER —

A HARROLD EXCLUSIVE — Ruffled Camellia type of cerise-rose. One of the largest of this type we have seen. Of exquisite form and coloring. Rated one of the best.

ATOMIC GOLD —

A HARROLD EXCLUSIVE — Ruffled Camellia type of largest size. Exquisite form and the color is a most brilliant flame-orange.

AUTUMN GLOW —

A very large Cristata type. The tufts or crests are deep copper contrasting with the rest of the flower which is apricot. Flowers sometimes measure ten inches across under good culture. This variety varies some.

GORGEOUS —

A HARROLD EXCLUSIVE — Camellia type of largest size and ruffled. Color is a luscious salmon-rose.

FASCINATION —

A Marginata type similar to the Crispa group. The flowers are varying shades of white with a rose colored margin. Very striking and one you'll like.

NARCISSAFLORE —

A unique individual novelty like no other of this family. Resembles a giant Daffodil and is especially prized for pot culture. Colors in the regular Begonia range but in mixture only.

RED TRIUMPH —

Ruffled Camellia type and one of the largest Begonias known. Color is deep ruby-red with distinctive velvety texture. Requires good culture.

ROSE DAWN —

NEW! Ruffled Camellia type of very large size. Color is a delicious shade of light rose.

STARS AND STRIPES —

RARE. An unusual novelty. Double Camellia type. Color dark red, speckled and striped with white. Flowers not so large but they are produced in great numbers.

SUNSET —

Profusely frilled Crispa type. Color is copper with red edge. Very striking.

POPULAR *Novelties*

PRICE FOR ANY OF THESE

3 for \$1.50; 6 for \$2.75; 12 for \$5.00

SELECTION MAY BE ASSORTED WITHIN GROUP

ROSEBUD DOUBLE —

Here is a really beautiful type. While the flowers are of medium size, they are profusely produced and the unique form of the flower is striking. It closely resembles the bud of a Hybrid Tea Rose when it is at its best stage of development. Colors available in mixture only but a wide range of exquisite shades.

ILLUSTRATIONS — TOP TO BOTTOM

Camellia Flowered Plant.

Marginata Type.

Crispa or Frilled Type.

MARMORATA —

An exquisite double flower of medium size that the plant produces in great numbers. The plant is always covered with color if culture is good. The coloring is the striking thing about this one. It is mottled beautifully in rose and white. For something different a must.

MARGINATA —

This is similar in type to Crispa. Coloring is most striking because of the contrast. Flowers are either white with pink edge or salmon with copper edge. In mixture only so there is no color choice.

SPECKLED and SPOTTED —

Camellia double type of scarlet splashed white. Variable but very attractive and one of the must items.

PRICE FOR ANY OF THESE

3 for \$1.25; 6 for \$2.00; 12 for \$3.50

SELECTION MAY BE ASSORTED WITHIN GROUP

CRISTATA or CRESTED —

A single frilled type having a tuft or pompon on the center of each flower petal. This gives a novel effect that is very attractive and once you have seen these you will want more of them. The flowers are quite large. Colors in mixture of a wide range only with some two-tone combinations.

CRISPA or SINGLE FRILLED —

This strain much improved over stock usually offered in this class—more heavily ruffled. The edge of the petals are heavily frilled somewhat after the fashion of Giant Ruffled Petunia, Super-Fluffy Ruffles but of much larger size. Coloring is of course typically Begonia. COLORS — Apricot, orange, pink, red, rose, salmon, scarlet, yellow and white. Your choice or mixed.

SEEDS OF THIS VARIETY AVAILABLE —

In mixed colors we can supply seeds of this type at \$2.50 per packet, about 500 seeds or \$1.50 per half packet, about 200 seeds. Instruction sheet supplied with each shipment but we will not guarantee results from the use of seed in any way. They are a bit difficult.

PICOTEE DOUBLE —

Flowers of Camellia type and quite double. Usually not quite as large as the Giant Camellia Double type. Their distinctive characteristic is the two-tone coloring with the edges of the petals a different color than the overall color of the flower; usually darker. An unusually attractive type. Colors in mixture of a wide range only.

PRICE FOR ANY OF THESE

3 for \$1.25; 6 for \$2.25; 12 for \$4.00

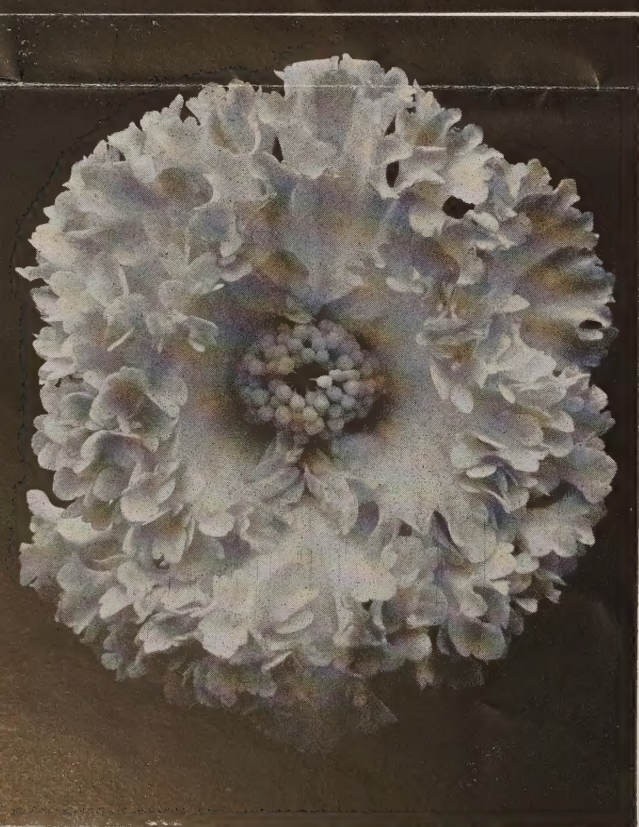
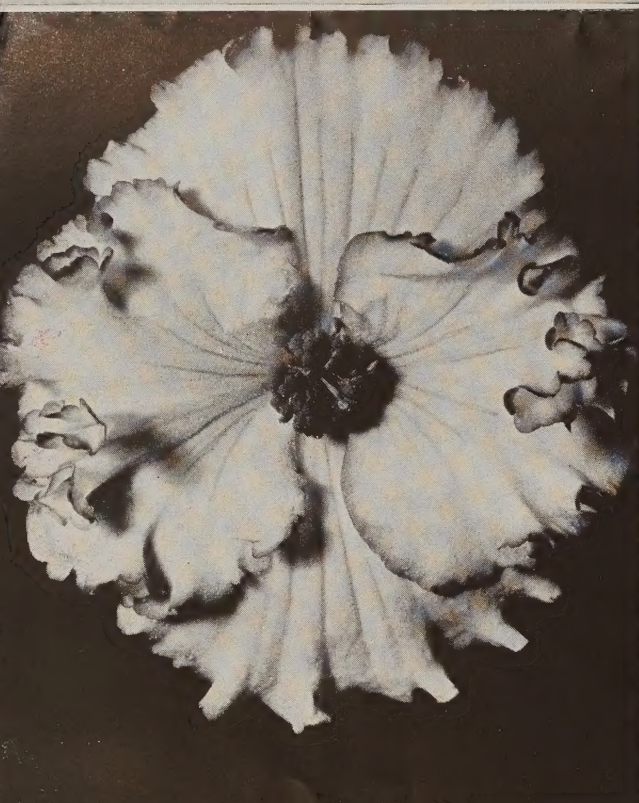
HANGING BASKET — (Pendula)

SOMETIMES LISTED AS LLOYDII.

Double flowering plants especially adapted for planting in shaded window boxes, hanging baskets and we suggest them as being unusually attractive when planted in the rockery. A few of these plants set in a shaded spot in the rockery will supply an abundance of brilliant color all summer. While flowers produced by this type are not as large as the Camellia types they are developed in such numbers that the plant is a beautiful sight frequently producing a hundred flowers at a time. The plant is of pendent or trailing habit making it suitable for planting where it may hang or spread over quite an area when set on the level. One of the most popular types and usually in limited supply so order these early. COLORS — Apricot, orange, pink, red, rose, salmon, yellow and white. Your choice or mixed.

ABOUT ORDERING — These Begonias are postpaid anywhere in the U.S. order or draft. Currency may be sent but at your own risk. STAMPS WILL NOT BE ACCEPTED. Address order to HARROLD'S, P. O. BOX 29R, GRANTS PASS, OREGON.

Order early to procure best service and selection. Unless you specify "no substitute" we will substitute the best available substitute. Supply is large and we hope to



Tuberous Begonias. Outstanding!

of an uninterrupted breeding program, not affected seriously during the war years. Probably the paramount reason for insistence on American grown tubers, however, is that our climatic conditions and growing practices give a more mature tuber that has had six weeks to two months longer growing season than stock imported from European sources. This gives a tuber that starts more readily, suffers less mortality under proper growing conditions and because of its more favorable culture it is easier for you to obtain good results. American grown stock is acclimated, another factor worthy of your consideration. We know of no available stock that is better — if we did it would be offered here.

POPULAR Standards

PRICE FOR ANY OF THESE

3 for \$1.00; 6 for \$1.50; 12 for \$2.50;
25 for \$5.00.

SELECTION MAY BE ASSORTED WITHIN GROUP

GIANT CAMELLIA DOUBLE —

These are the largest flowered type and the most popular by far of the whole tuberous rooted group of Begonias. The flowers look like giant ruffled Camellias but are very frequently larger than any Camellia you ever saw. Coloring is in luminous shades not to be found in any other flowering plant. We have seen these flowers as large as dinner plates and we have reports from customers telling of having produced these flowers ten inches across. Of course to do this culture must be ideal and the food supply abundant although it does show the potential they have. If this is your first experience with this plant we recommend this type without reserve for it accounts for about 60% of all Tuberous Begonias sold. Order today while color assortment is complete. COLORS — Apricot, orange, pink, rose pink, red, rose, salmon, scarlet, yellow and white. Your choice or mixed.

SPECIAL QUANTITY PRICE ON CAMELLIA TYPE ONLY — 100 for \$19.00; 250 for \$45.00. No other type or variety may be combined with these quantity prices to make up specified quantity.

SEEDS OF THIS VARIETY AVAILABLE —

In mixed colors we can supply seeds of this type at \$2.50 per packet of about 500 seeds or \$1.50 per half packet about 200 seeds. Instruction sheet supplied with each order but we will in no way guarantee success from planting of these seeds.

GIANT CARNATION DOUBLE —

Double frilled with the petal edges lacinated giving the appearance of huge double florists Carnations these are easily the second most popular type of these wonderful plants. Not quite as large as the Camellia group described above but still of huge size. The coloring is strikingly brilliant and you'll want to include a few of these in your collection. COLORS — Apricot, orange, pink, red, rose, salmon, scarlet, yellow and white. Your choice or mixed.

SEEDS OF THIS VARIETY AVAILABLE —

In mixed colors we can supply seeds of this type at \$2.50 per packet of about 500 seeds or \$1.50 per half packet about 200 seeds. Instruction sheet supplied with each order but we will in no way guarantee success from planting of these seeds.

ECONOMY BEDDING MIXTURE —

6 for \$1.00; 12 for \$1.75; 25 for \$3.25

These are a general mixture of several types and colors. There are Camellia, Crispa, a few Cristata and some Single flowered plain edged types, mostly red, orange, yellow and rose. No white and no selection can be given as these are odds and ends from breeding work or mixtures that have occurred in the routine of culture. Supply at these prices is limited to a few thousand.

A NOTE ABOUT SEPARATE COLORS

As this catalogue as well as our magazine advertising must be composed, printed, and mailed before the harvesting of these Tuberous Begonias we must of necessity make all offers as to color subject to crop and availability when your order is reached for shipment in the rotation of its booking in our office. In the event of exhaustion of either variety or color we will normally send the best available substitute of equal value unless you specify that substitution is not acceptable. If you can not or will not accept substitution on this basis, say so and we will refund on all such items. Although our stock will far exceed 100,000 this year it is never possible to have all items come out

exactly even with orders. Mentioning a second choice will be helpful in case of shortage where you have special preference. Ordering early is the best policy, however.

Harrold's

BEGONIA-GROW

Many gardeners have found it difficult or inconvenient to procure the animal manure so desirable for Tuberous Begonia culture. This need is answered through the development of this compound we call HARROLD'S BEGONIA-GROW. It is an organic compound containing all the nutrient requirements and fertility needs for the successful and pleasing culture of this plant.

When mixed with sandy loam soil and leaf mould or granulated peat moss in accord with the directions supplied with each package, HARROLD'S BEGONIA-GROW will give a planting media that is suitable for successful planting as well as feeding throughout the full growing and flowering season. It supplies one of the three necessities required for the best results; FOOD. It will not, however, overcome improper situation or inadequate drainage/moisture factors which you must supply for successful culture. Whether ordered at the same time you order tubers or for the culture of tubers you already have, we feel certain you will find it a most useful product.

PRICE PER PACKAGE, containing enough for the seasonal culture of twelve tubers, FIFTY CENTS postpaid anywhere in the U. S. with full instructions for its use.

General Culture

Due to space limitation of this catalogue we shall cover the culture of these Tuberous Begonias only in a general way, leaving the details to be covered by our 5,000 word, 8 page booklet that will be sent along with your order for tubers. It is our intent here to give only the general requirements so as to enable you to plan where to plant them and obtain an idea as to their requirements. The cultural booklet will supply all the details necessary to success along with information of historical interest.

Once the basic requirements of these plants are understood, culture is quite simple. Properly supplied with food, moisture and favorable environment, which can be given with a little planing in almost any home garden, they are nearly as easy of culture as the Geranium. Certainly for the little attention to detail required no other flowering plant will repay with so much beauty over so long a flowering season.

The fundamental requirements for satisfactory culture are that they be planted in shade; be given good air circulation; have a well drained growing media which supplies a cool, moist root situation and a good supply of available food from which to support the luxuriant bloom and foliage. All these factors may be supplied in practically any home garden with no more effort than is given the culture of many less showy plants.

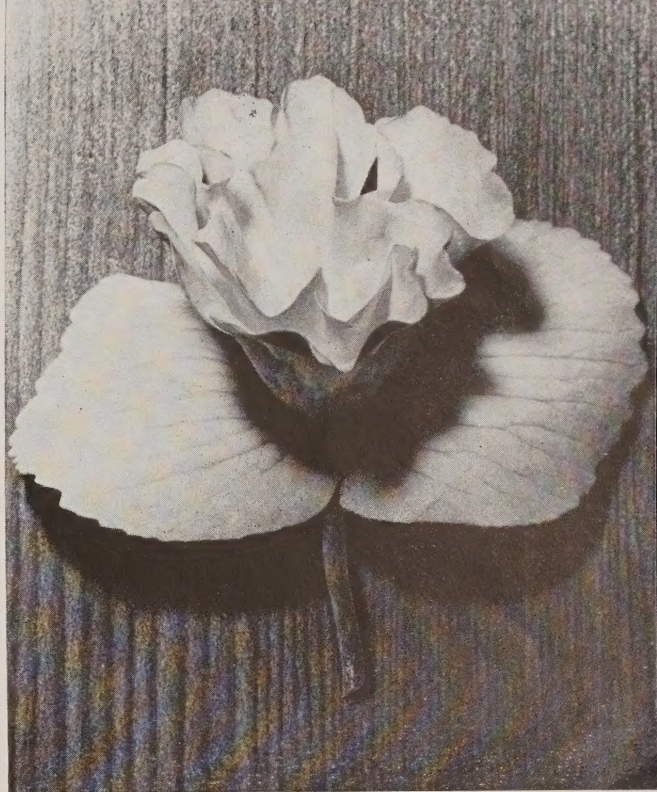
The shade requirements may be obtained by planting in the shade of a building or under trees or by building a lath shade such as is often used in gardens in warm climates. Tree or building shade is perfectly satisfactory if surrounding objects or low hanging limbs do not restrict air circulation. They may have some early morning sun, (Culture Continued on Next Page)

ILLUSTRATIONS — TOP TO BOTTOM

Narcissiflora or Daffodil Type.

Cristata Type.

Marmorata Type.



in the U. S. Terms are cash with order. Remit by check, money orders WILL NOT BE ACCEPTED. Make remittance to HARROLD'S, OREGON. Shipment will be made in rotation of receipt. If "no substitution" we will, in the event of shortage in variety or we hope to fill most orders as given.



TUBEROUS BEGONIA — HANGING BASKET TYPE
See inside page for list and prices

Pre-Started Pre-Planted Unit Assortments

For the gardener who has limited facilities or one who does not care to undertake the details of planting the tubers in their dormant state, these pre-started, pre-planted units are ideal. They eliminate the fuss and bother of preparing the necessary flat and planting soil, coming to you already to grow in your window as an interesting window garden until they are ready to set into your garden for a full summer of beauty.

Each unit contains twelve select tubers that have been pre-started before planting here in our greenhouse. None are planted until they have shown that they will grow. They are then planted in individual compartments in an especially constructed flat in specially compounded and fertilized planting media. On arrival you have but to unpack and follow directions, growing them as a window garden for about seven weeks before planting outdoors. On arrival root growth will have started but foliage will not yet have begun to develop.

The flat in which these units are planted are unique and exclusive with our offer. They are so constructed that nearly all the care that is required is that you set a sauce dish under the flat and keep it full of water and the plants will be kept at just the proper moisture for best growth. This eliminates almost all of the fuss and muss of indoor culture and reduces to the very minimum the detail and bother connected with their culture. **WE MUST HAVE ALL ORDERS FOR THESE BEFORE MARCH TENTH.**

Units will be supplied ONLY with 12 tubers each in the four assortments listed below. No changes can be made. Colors will be assorted but are not subject to selection. Shipment of all units will be made at proper time for culture in your climate. They will all be forwarded by Railway Express COLLECT for the transportation charges which will probably be \$1.00 per unit. Sale price is cash with order the same as dormant tubers.

- COLLECTION 50 — 12 Assorted Double Camellia Flowered.
 - COLLECTION 52 — 12 Assorted Double Carnation Flowered.
 - COLLECTION 54 — 6 Each Assorted Camellia and Carnation Flowered.
 - COLLECTION 56 — Grand Assortment 4 each Camellia, Carnation & Crispa.
- PRICE PER UNIT: \$5.00. Shipment by Express Collect.

— GENERAL CULTURE CONTINUED —

before it begins to get hot but afternoon sun, unless in the very late hours after the heat has passed, is not advisable. Visualize them as growing in a shaded woodland ravine in their natural habitat and you can better understand their needs in this respect. Pot, box or hanging basket culture can be most successful providing these needs are kept in mind.

Soil can be built to their needs from several easily obtainable ingredients so long as it is light, fibrous and has the ability to retain moisture readily. Good under drainage is essential even if it is necessary to grow in boxes or raised beds. The basic ingredient of the soil should be sandy loam, (clay and sand may be substituted) leaf mould, (for which granulated peat moss may be used) and rotted cow manure (rich compost may be substituted for the last two. In the event that manure or compost is not available or for the sake of convenience, you may use HARROLD'S BEGONIA - GROW as the food element. You see a satisfactory soil can easily be built practically anywhere.

They may be grown in almost any climate with the above described conditions but in hot localities some care will have to be given the factor of humidity. They appreciate syringing of the flowers and foliage when temperature is high and on hot days it is desirable that they be sprayed from one to three times daily. If this is carefully done you need have no fear of spotting the flowers.

We have run many tests under widely different climatic conditions, especially in places where it was popularly believed that Tuberous Begonia growing was not practical. In all cases these tests have been made by home gardeners like yourself who followed our regular printed instructions. These tests have been made in the dry heat of the upper Sacramento Valley in California; the humid heat of the Mid-Mississippi Valley; the dry, high altitude of Utah and many other localities. Those mentioned here were those which each posed special cultural difficulties commonly believed to be definitely adverse to the culture of this plant. It has been proven that satisfactory culture is possible under widely varying conditions if proper attention to detail is given and reasonable gardening sense used.

PLANTING THE TUBERS

This is a relatively simple process, fully covered in our cultural booklet that will accompany your order. Basically there is a wide latitude in this although tubers started indoors and transplanted outside after danger of frost is past give a longer flowering season because they start earlier. By doing this the flowering season can be made to cover a full four months in most places. It is never safe, however to plant either started plants or tubers out in the open until killing frosts have passed. The tubers may be planted directly into the beds where they are to bloom but this will mean it will take 50 to 60 days for them to make the growth required to start flowering. Always, if the culture given is as it should be, the plants will continue to bloom until the vegetation is cut down by frost in the fall. Indoor starting is generally advisable so the plants will have a good start and be in robust growth as soon as they may be safely set outside.

For the best results we suggest that the tubers be planted in a flat or pots in the house at common home temperatures seven to nine weeks before usual date of last frost in your climate. The plants will then be of nice transplanting size and some will probably be showing husky buds by then. Handled in this manner, bloom may be had in May or June and they should reach their stride rapidly.

PLANTING TOO EARLY NOT ADVISED

While it has been common belief that planting must be done in January or February, this is not so with AMERICAN BRED and GROWN Tubers. In fact it is not advisable. With imported stock, yes, possibly! The reason it is not advised for American Grown stock is that it is more mature than that imported and therefore in a more natural condition for replanting. Any bulb or tuber may be dug during the late weeks of the growing season and still maintain life but when dug before it has completed its natural growing cycle it loses its vitality. Most of the imported Tuberous Begonias sold in the U. S. are grown in N. Europe where the growing season is relatively short. The crop is usually harvested in Sept. - Oct., after having been set in the growing fields in May. Because of the climatic necessity for harvesting so early, it is of course advantageous to the grower and dealer to encourage early planting to reduce warehouse loss and shrinkage. Also this stock starts more slowly.

AMERICAN BRED and GROWN stock presents an entirely different picture. It is mostly grown in a very small district having an ideal climate and a long growing season. Located on the California Coast the seasons are long and frost free, somewhat duplicating the Central and South American wilds where the forebearers of this family is native. Planting in the open is started in March and the plants stay in full growth until November. Harvest is seldom under way until early December and is progressive, like spring planting, extending well into January. This means nearly 30% longer growing time and observation of the tubers growth shows there is a decided increase in quality of the tuber during the last 40 days of the growing season.

The invariable morning fog, very slight fluctuation in night and day temperature and overhead irrigation supplying the foliage and soil moisture required give the most ideal conditions for commercial culture. Growing is done in open fields without special protection. This cultural condition results in a tuber that is ready to give maximum results when properly planted and cultured.

From the cream of these cultures we supply young, vigorous tubers of a size best suited for easy culture and at prices in the popular range. They are of intermediate size 1½ to 2 inch diameter (3¾ to 6¼ inch circumference). Every one will bloom under proper culture because they have already flowered in the growing field. Even tubers of less than one inch diameter have bloomed in the growing fields so it is certain that it will be only under the most unsuited conditions that all tubers we send out do not flower. You may pay considerably more for larger sizes and as much for smaller You will find none giving more satisfactory results if properly cultured.

ABOUT SHIPPING

The shipping of these tubers is a mass operation in our shipping department. Last season we sent out nearly 5,000 individual orders. Shipping is started as soon as this American Grown stock can be processed for replanting and earlier than it should be planted in most climates. This year shipping will be divided into four climatic zones in an effort to get the tubers to everyone at the earliest practical time for their climate and still protect the shipments against loss in transit from freezing. Shipping to the milder zone will be commenced first and dispatch to the colder will be progressive with the weather.

In each zone shipping will be strictly in rotation of the booking of your order here in our office. This makes ordering early advisable and necessary where early delivery is desired. The promptness of delivery is entirely in your hands and dependent on your ordering. Help us to serve you well by placing your order for the tubers you want NOW! TODAY!!

NO GUARANTEE:— The material offered here has all been handled by an experienced staff and grown by the latest methods. We have grown into it every thing that should make it a satisfactory product. However, it will be supplied to thousands of gardeners with varying degrees of skill. Culture supplied by them will range from perfect to unsuitable. Also the stock itself, due to its hybrid nature, is subject to some variation beyond human control. Because of these known variable factors we make all sales of the material offered herein under the standard seed trade disclaimer as follows:

We, Harrold's, give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price received for the seeds, bulbs or plants. In all cases where any form of adjustment is made, for any cause, this shall be in accord with instructions given in full on our invoice and it shall be entirely at our option whether such adjustment is by replacement in kind and variety ordered, credit memo issued against future purchase or by cash refund.